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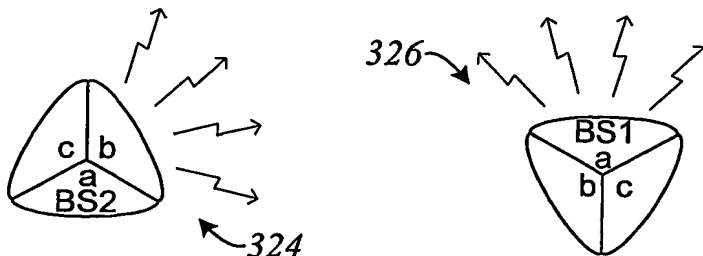
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(54) Title: **METHOD AND APPARATUS FOR DETERMINING REPEATER USE IN WIRELESS COMMUNICATIONS**



(57) Abstract: A method and apparatus for  
determining whether a received signal is transmitted  
via a repeater is described. A source signal to be  
conveyed via a particular repeater may include, or be  
modified to include, a variety of signal characteristics  
having a predictable relationship that remains  
relatively constant, which may be taken together  
as a signature of the repeater. The signature may  
reflect a composite of distinct signals. A database  
of repeater signature references may be developed,

and an adequate match between characteristics of an unknown received signal and such signature references indicates that at least  
part of the unknown signal is transmitted via a repeater. Useful signal characteristics for repeater signatures may include some  
representative of signal strength, and time of arrival information, among many other possibilities.

WO 2004/095733 A2